

Mobiletron TX-BT001

Mobiletron TX-BT001 Bluetooth TPMS Sensor User Manual

Model: TX-BT001 | Brand: Mobiletron

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Mobiletron TX-BT001 Bluetooth Tire Pressure Monitoring System (TPMS) Sensor. This sensor is designed to monitor tire pressure and transmit data via Bluetooth.

2. COMPATIBILITY

The TX-BT001 TPMS Sensor is compatible with the following vehicle models and genuine sensor part numbers:

- **Tesla Model 3:** 2020 and later
- **Tesla Model S:** 2021 and later
- **Tesla Model X:** 2021 and later
- **Tesla Model Y:** 2021 and later

Compatible Genuine Sensor Part Numbers:

- 1472547
- 1490701-01-A/B

Sensor Type: Valve Type

3. KEY FEATURES

- **Pre-programmed:** The sensor is pre-programmed for immediate use upon installation.
- **Automatic Learning:** Once installed on the wheel, the sensor automatically learns and displays air pressure data.
- **Versatile Use:** Suitable for various applications, including summer tires, studless wheels, spare sensors, and repair applications.
- **Matte Black Valve:** The included valve comes standard in matte black to complement factory wheels.
- **Adjustable Valve:** The valve can be adjusted to fit various wheel types (0 to 40 degrees).

- **Long Battery Life:** The TPMS unit is designed for extended battery life.

4. SETUP AND INSTALLATION

The Mobiletron TX-BT001 TPMS sensor is designed for straightforward installation. It is recommended that installation be performed by a qualified technician to ensure proper fitment and function.

4.1 Installation Steps

1. **Prepare the Wheel:** Ensure the tire is deflated and removed from the wheel.
2. **Remove Old Sensor (if applicable):** Carefully remove the existing TPMS sensor from the wheel.
3. **Install New Sensor:** Insert the TX-BT001 sensor into the valve stem hole from the inside of the wheel. Ensure the sensor body is correctly oriented and secured with the provided nut.
4. **Adjust Valve Angle:** If necessary, adjust the angle of the valve stem to fit the wheel's contour (adjustable from 0 to 40 degrees).
5. **Mount Tire:** Mount the tire back onto the wheel, taking care not to damage the sensor.
6. **Inflate Tire:** Inflate the tire to the manufacturer's recommended pressure.
7. **Vehicle Learning Process:** Once installed and the tire is inflated, the sensor is pre-programmed to automatically learn and transmit tire pressure data to your vehicle's TPMS system. Drive the vehicle as per your car manufacturer's instructions for TPMS relearn procedure, if any.

Important: Always refer to your vehicle's owner's manual for specific TPMS relearn procedures.



Figure 1: Angled view of the Mobiletron TX-BT001 TPMS Sensor. This image shows the blue sensor body with the black valve stem attached, highlighting the product's design and components.



Figure 2: Front view of the Mobiletron TX-BT001 TPMS Sensor. This image provides a clear view of the sensor's face, including the "MORE SENSOR BLE SERIES TX-B001" branding and regulatory markings.

5. OPERATION

The TX-BT001 sensor operates automatically once correctly installed and the vehicle's TPMS system has completed its learning process. It continuously monitors tire pressure and transmits this data wirelessly to your vehicle's onboard system. Any significant drop in tire pressure will trigger a warning on your vehicle's dashboard, alerting you to a potential issue.

No user interaction is required for the sensor's daily operation beyond ensuring proper installation and tire inflation.

6. MAINTENANCE

- **Battery Life:** The sensor unit features a long-life battery. When the battery eventually depletes, the entire sensor unit typically requires replacement. There are no user-replaceable parts or batteries.
- **Valve Stem Care:** Periodically inspect the valve stem for any signs of damage or corrosion. Ensure the valve cap is

securely fastened to prevent dirt and moisture ingress.

- **Tire Rotations:** When performing tire rotations, it is generally not necessary to replace the TPMS sensors unless they are damaged or at the end of their service life. However, a TPMS relearn procedure might be required by your vehicle.

7. TROUBLESHOOTING

If you experience issues with your TPMS system after installing the TX-BT001 sensors, consider the following:

- **TPMS Warning Light On:**
 - Check all tire pressures manually with a reliable gauge to ensure they match the vehicle manufacturer's recommendations.
 - Verify that the vehicle's TPMS relearn procedure (if any) has been correctly followed.
 - Ensure the sensors are correctly installed and not damaged.
- **Incorrect Pressure Readings:**
 - Confirm tire pressures with a calibrated gauge.
 - Ensure the sensor is compatible with your vehicle model and year.

For persistent issues or complex diagnostics, it is highly recommended to consult a professional automotive technician or your vehicle's service center.


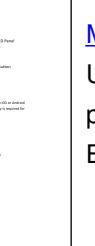
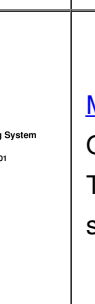

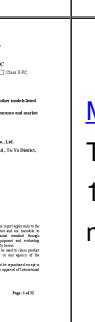
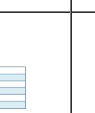
8. SPECIFICATIONS

Feature	Detail
Model Number	TX-BT001
Brand	Mobiletron
Sensor Type	Bluetooth, Valve Type
Battery	1 Lithium Metal battery (included, non-replaceable)
Material	Aluminium (valve stem)
Package Dimensions	8.7 x 5.8 x 3.2 cm
Item Weight	50 g
Measurement Accuracy	±4% (varies with temperature)

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the official Mobiletron website or contact your authorized dealer. Keep your proof of purchase for warranty claims.



	<p>TPMS TX-V003/TX-V004 User's Manual and Specifications</p> <p>User's manual and technical specifications for Mobiletron TPMS models TX-V003 and TX-V004, including installation steps and FCC compliance information.</p>
	<p>Mobiletron TX-PT004 TPMS Programming Tool User Manual</p> <p>User manual for the Mobiletron TX-PT004 TPMS programming tool. Learn how to use the device, program MORESENSOR, view specifications, and understand FCC compliance. Features Bluetooth connectivity and app control.</p>
	<p>Mobiletron Tire Pressure Monitoring System User Manual (THC03 & THE01)</p> <p>Official user manual for Mobiletron Tire Pressure Monitoring System (TPMS) models THC03 and THE01. Provides comprehensive guidance on installation, setup, operation, alarms, and technical specifications for trucks and buses.</p>
	<p>Mobiletron PT46 TPMS Tool User Guide</p> <p>Comprehensive user guide for the Mobiletron PT46 TPMS Tool, detailing specifications, operation, settings, troubleshooting, safety information, and warranty for automotive technicians.</p>
	<p>Mobiletron TPMS TX-K001 FCC Part 15 Subpart C Test Report</p> <p>This report details the compliance testing of the Mobiletron TPMS, model TX-K001, under FCC Part 15 Subpart C regulations. It includes conducted and radiated emission tests, bandwidth measurements, and duty cycle analysis.</p>
	<p>TPMS TX-V003/TX-V004 User's Manual and Specifications</p> <p>User's manual and technical specifications for Mobiletron TPMS models TX-V003 and TX-V004, including installation steps and FCC compliance information.</p>

